

Must the growth of aviation lead to increased environmental impact?



Workshop #1: Shared learning, coalition building with a large, wide group of participants.

- What are the environmental issues that are likely to impose fundamental limitations on aviation's growth?
- What are the technical challenges faced in eliminating the fundamental limitations to aviation's growth?

"Customer" problems and issues, clarification of "benefits."

Workshop #2: Review customer needs and benefits, develop roadmaps.

- Review scenarios
- First cut gap analysis
- Strawperson roadmaps
- Customer benefits

Workshop #3: Suggest research and technology areas, refine roadmaps, and chart way forward.

- Review roadmaps
- Priorities - What needs to be started now?
- Fostering creativity
- The way forward

Basis for initiating a search for technology solutions.

Clear program options!

- **Review roadmaps:** *Done?*
- **Priorities** - *What needs to be started now?*
- **Fostering creativity:**
 - *Horizon mission planning?*
 - *Pre-competition workshop?*
 - *Broad announcement of opportunity?*
- **The way forward:**
 - *Annual Federal Budget Cycle*
 - » *NASA*
 - » *President*
 - » *Congress*
 - *Advocacy*
 - *Implementation*
 - » *R&D Partnership*
 - » *Advice: FACA, other*

Technology Readiness Levels

